



Project No: AFC002001030202

Project: Supplemental RI

Client: AFCEE

Location: Site 24 - Vandenberg AFB

Northing(ft): 2099497.9

Borehole ID: HGL74(24MW20B)

Date: 10/16/2003

Geologist: D. Fortier

Checked By: D. Smith, R.G.

Ground Surface Elevation(ft msl): 459.9

Easting(ft): 5801295.3

SUBSURFACE PROFILE					SAMPLE			Water Level	Remarks
Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)		
2		Gravel, sand, and silt	FL	457					
4		Poorly graded sand Moderate yellowish brown, moist, slightly dense, medium grained	SP		100	9/16/18	0.2		
6									
8									
10				449	100	19/50 for 4"	0.7		
12		Clayey sand Pale yellowish brown, slightly moist, dense, medium grained	SC	448					
14			SP						
16		Poorly graded sand Light olive gray, moist, slightly dense, medium grained	CL	444	100	21/50 for 2"	2.2		
18				443					
20		Clay with sand Dark olive gray, slightly moist, very stiff	SP						
22					100	39/50 for 3"	2.4		
24		Poorly graded sand Light olive gray, moist, slightly dense, medium grained at 20' very moist to saturated	SC	437					
26				435	100	44/50 for 4"	1.9		
28		Clayey sand Grayish green to medium gray, moist, very dense, medium grained sand	CL	433	100	44/50/50	0.6		
30			SC						
32		Clay		431					
34		Clayey sand	CL		100	22/32/42	3.1		
36		Sandy clay Grayish green, moist, very stiff, medium grained sand, 60% clay / 40% sand		426					
38			SP						
40		Poorly graded sand		424	100	44/50 for 2"	6.3		
		Well graded gravelly sand Pale yellowish brown, moist, slightly dense, 20% gravel / 80% sand	SW						
				420					
			CL		100	34/50 for 2"	2.8		

Set temporary well (screen 19' - 24').

Collect groundwater sample (HGL74-GW24)

Drilled By: Layne Christensen

Drill Method: Dual Tube Percussion

Drilling Equipment: AP-1000

Sampling Equipment: 2" x 18" CA Mod Split Spoon

HydroGeoLogic, Inc.

4600 Northgate Blvd., Suite 207

Sacramento, CA 95834

(916) 614-8770 FAX (916) 614-8775

Boring Diameter: 10"

Total Depth Drilled: 65'

Sheet: 1 of 2



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Depth	Symbol	Description	USCS	Elevation	Recovery %	Blow Counts	PID (ppm)	
42		Gravelly clay with sand Mottled pale yellowish brown to light brown, slightly moist, stiff, 60% clay / 30% gravel / 10% sand	SW	419	100			Drilled to 65'. Sampled to 65.5'. Set temporary well (screen from 55' - 65'). No groundwater sampled on 10/16/2003. 10-17-2003 Collect groundwater sample (HGL74-GW65). Monitoring well constructed in boring.
44								
46		Well graded gravelly sand Pale yellowish brown, moist, slightly dense, lenses of gravel, gravel up to 2" at 45' gravel to 3"	SP	413	100	50 for 2"	5.0	
48				412				
50		Poorly graded sand Moderate yellowish brown, moist, slightly dense	SW		100	50 for 4"	6.1	
52		Gravelly sand with clay Moderate yellowish brown, gravel to 1.5"						
54								
56		at 55' moist, slightly dense, gravel to 1"			100	50 for 5"	6.1	
58		at 57' to 59' gravelly silty clay, gravel to 1"						
60		at 59' to 62' gravelly silty sand with lenses of gravelly silty clay, angular gravel of Monterey formation to 1.5", dense			100	49/50 for 4"	6.5	
62				397				
64		Poorly graded sand Pale yellowish brown, moist, slightly dense, medium grained	SP	395				10-17-2003 Collect groundwater sample (HGL74-GW65). Monitoring well constructed in boring.
66			rock	394	100	35/50 for 2"	2.9	
68		Siltstone Grayish brown, fissile, friable, weathered Monterey formation						
70								
72								
74								
76								
78								
80								

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